Candidate Number:	1	2	2	3			

PHYSICS Investigation

By: STUDENT NAME

Date: DD – MM – YYYY

Teacher: Mr. R. BOEYINK

School: International School Singapore

“To what extent does x depend on y?”

Research Question

State your research question, including the dependent and independent variables. Your question can be embedded in a more general introduction to the topic

Variables

List your independent, dependent and controlled variables and mention how you are going to manipulate (or control) them. Don't forget units and perhaps a short paragraph on how you will measure them or keep them constant.

Hypothesis

It is good to write a prediction or hypothesis, based on scientific reasoning. If you use sources, don't forget to reference them

Apparatus

List all the equipment you are going to use

Diagram

Include a labeled diagram or photo of your experimental setup

Method

Write down a step-by-step method and state the range of your independent variable and state how many times you are measuring the dependent variable

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Raw Data

Include your raw data in a table, including uncertainties

Processed Data

Include your processed data in a table, including uncertainties and transform your data into a (linearised) graph or

Conclusion

Write down your final result(s) and state whether your data support the theory (by comparing your result to an accepted literature value)

Evaluation

Evaluate your experiment, method, conclusion

Improvements

List (realistic) ways to improve the experiment, based on your evaluation

R e f e r e n c e s

In case you use secondary source(s)

A p p e n d i x

An appendix may contain additional information, such as photos of the setup, or the notes you used to write down your raw data and observations